

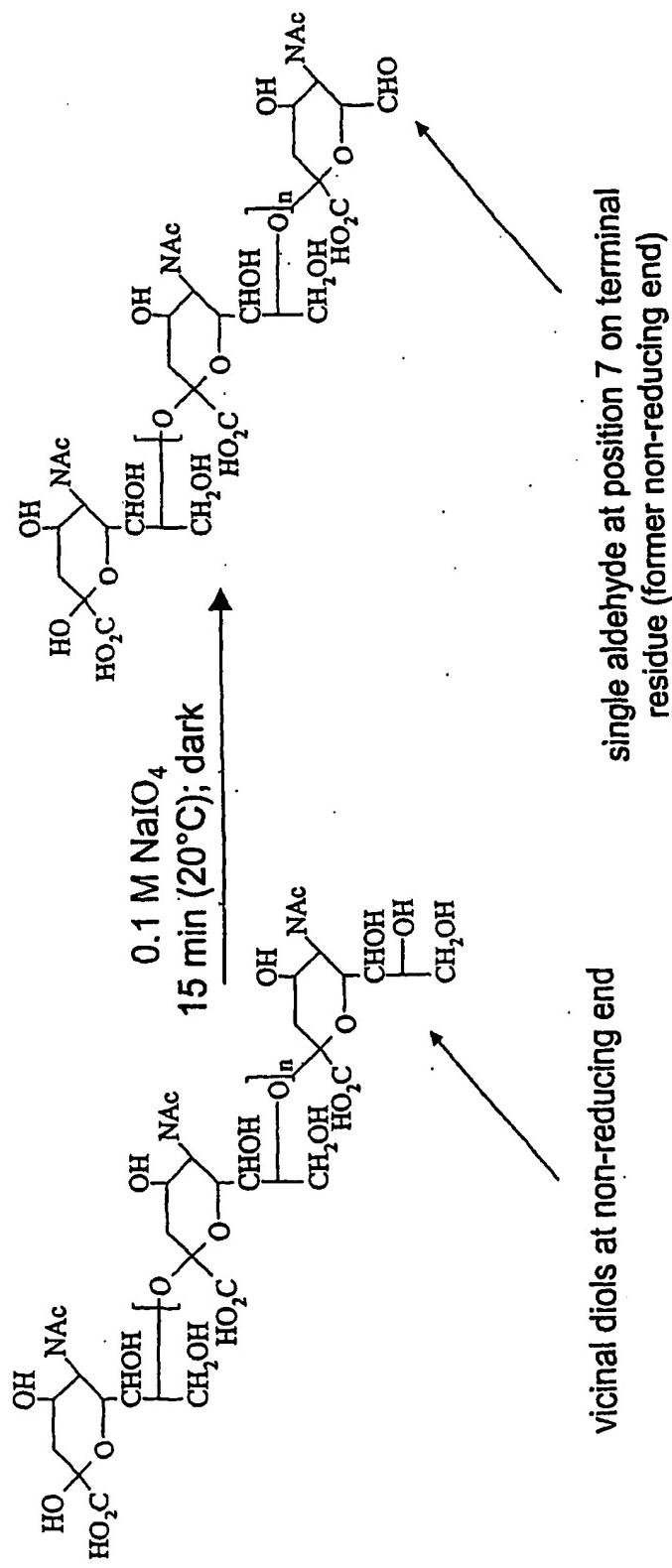
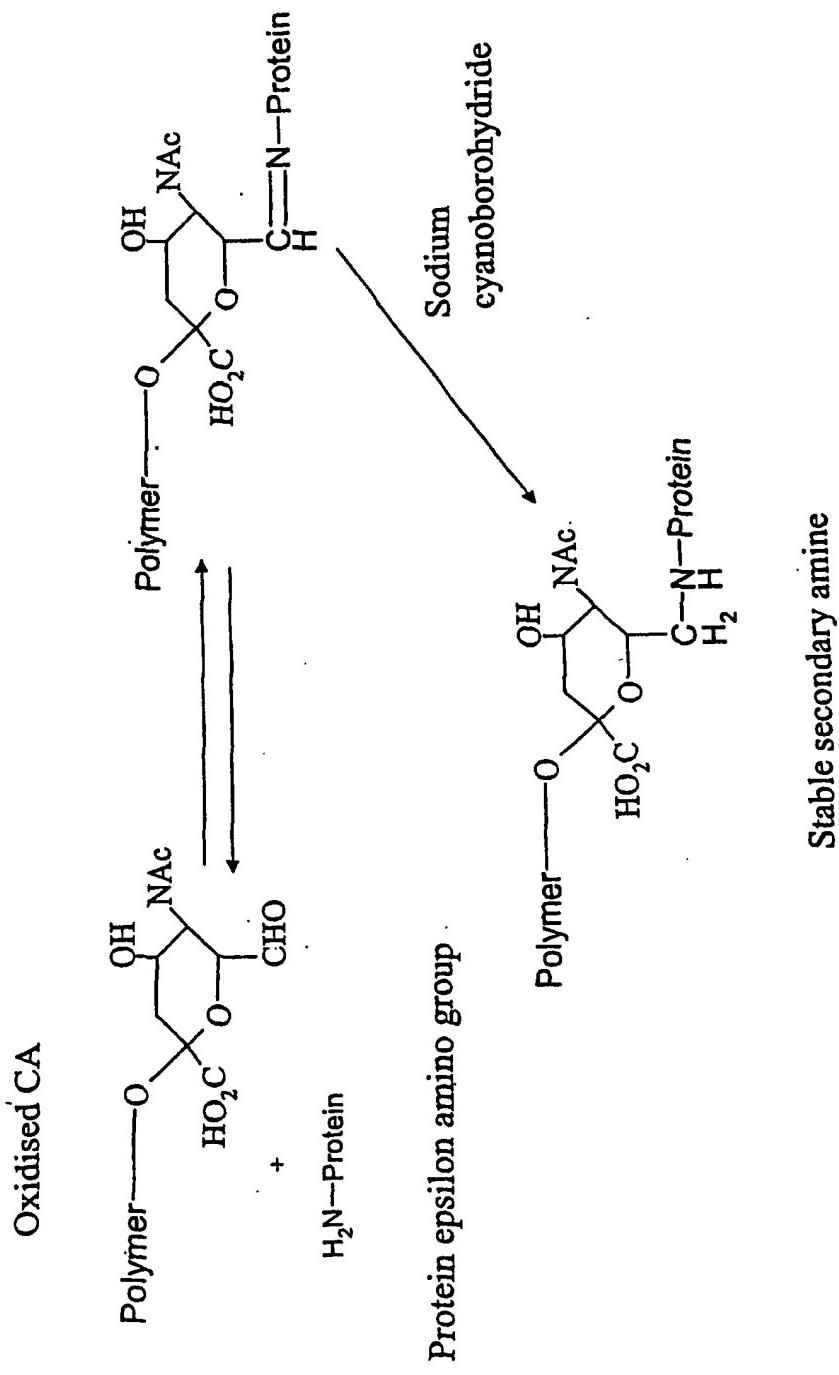
Figure 1a**BEST AVAILABLE COPY**

Figure 1b

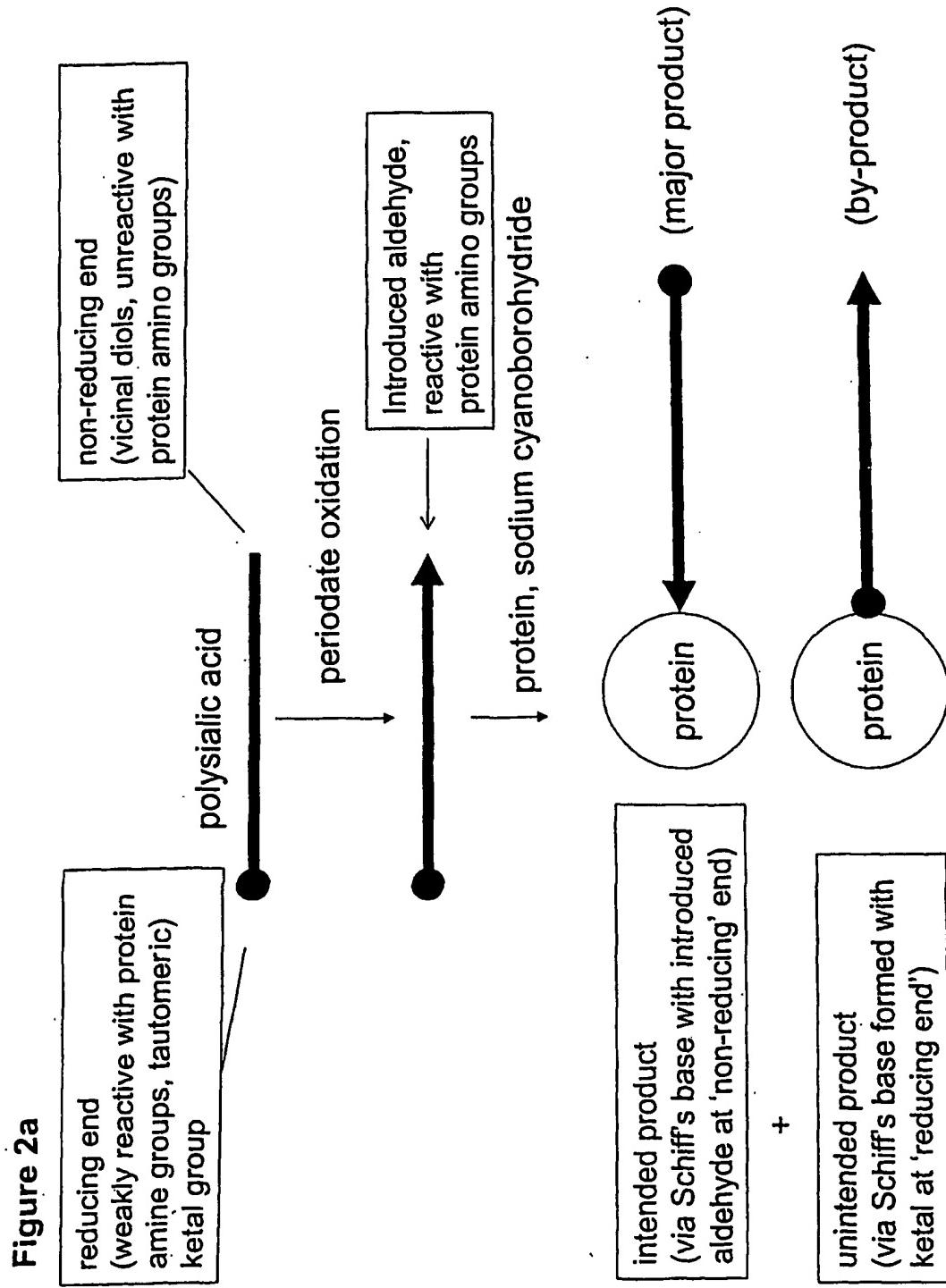


Figure 2b

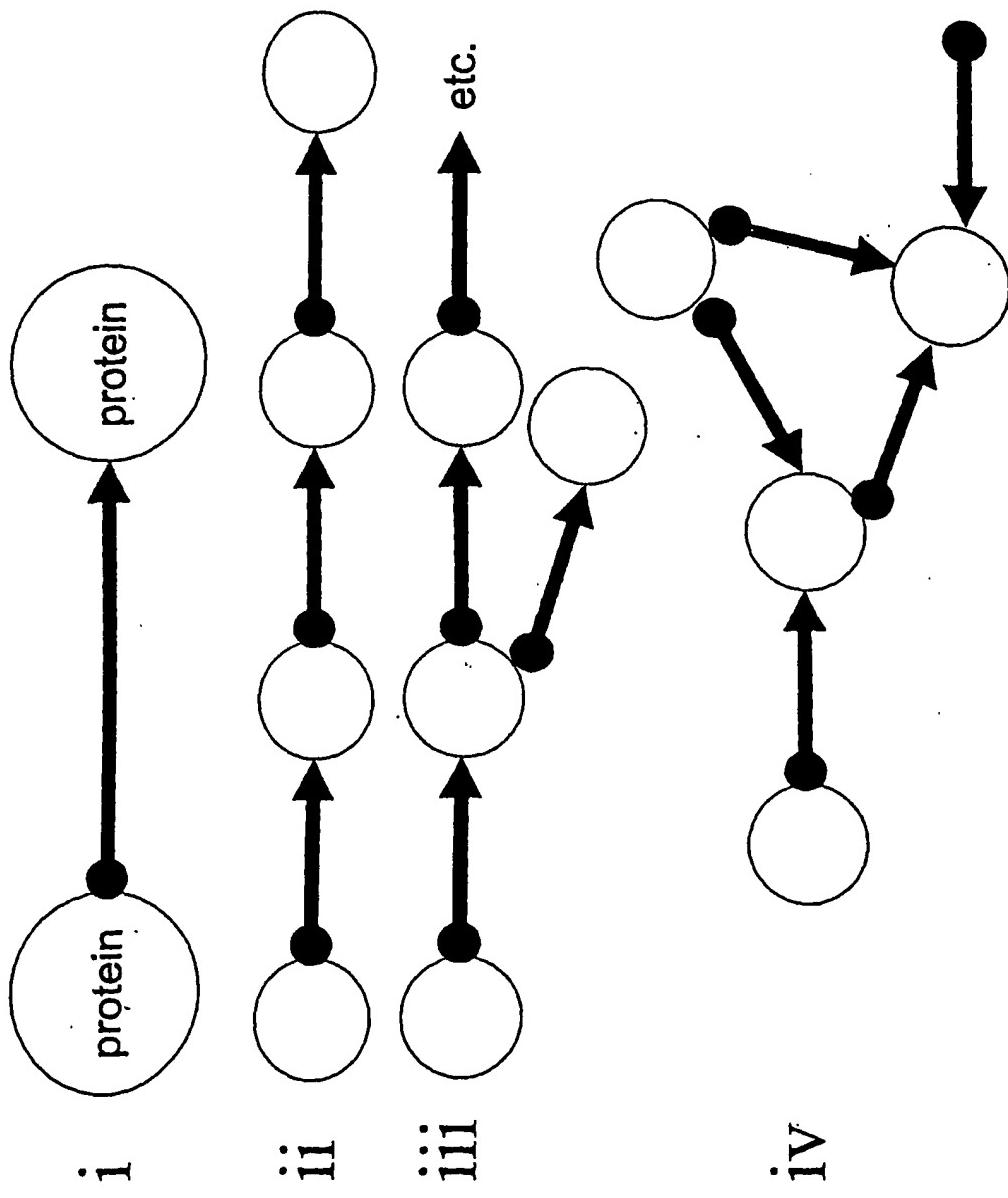
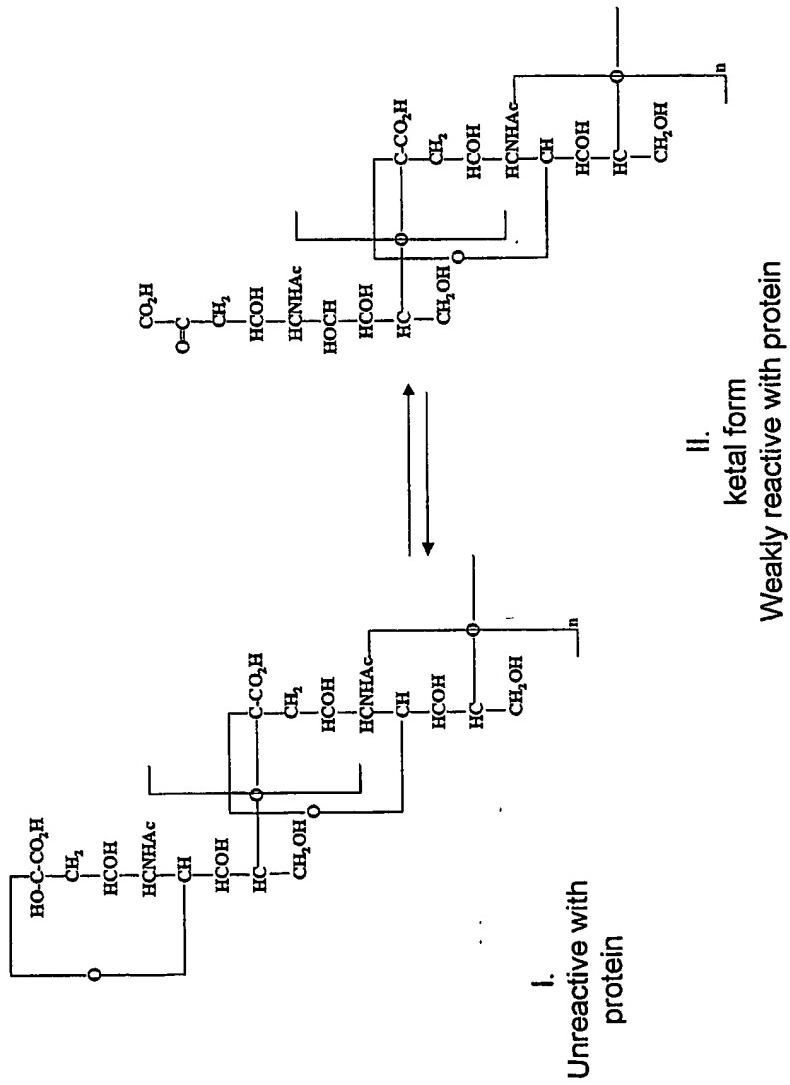


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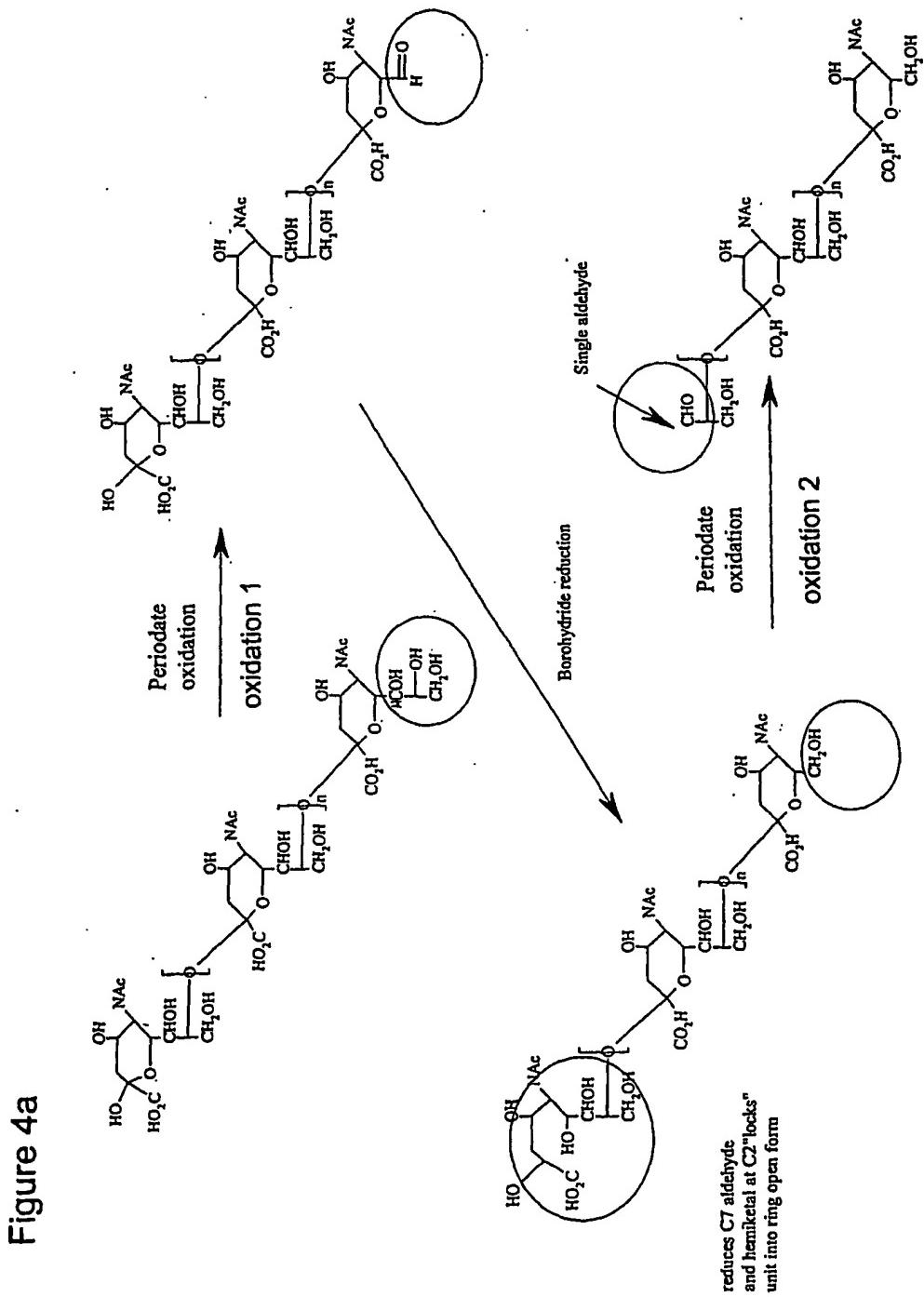


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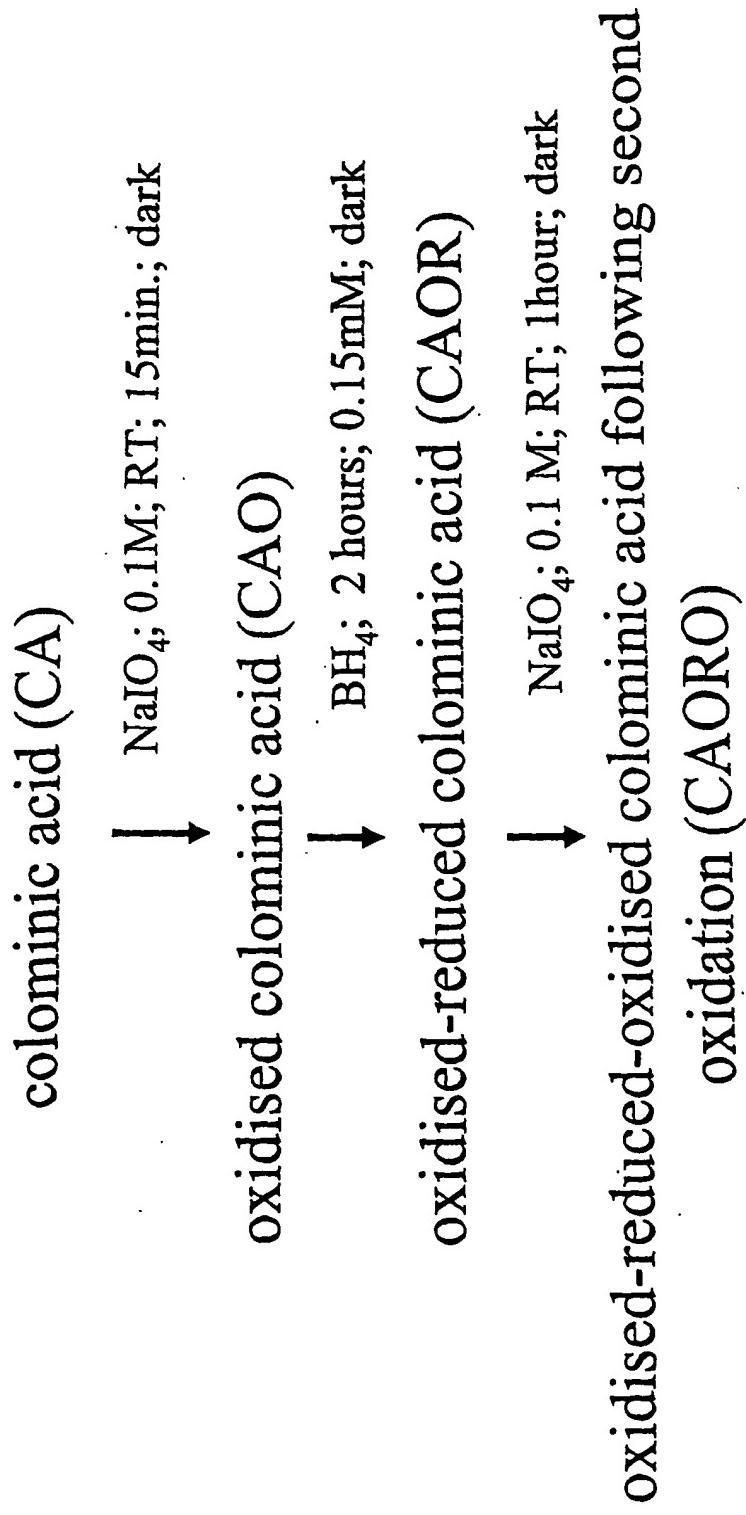
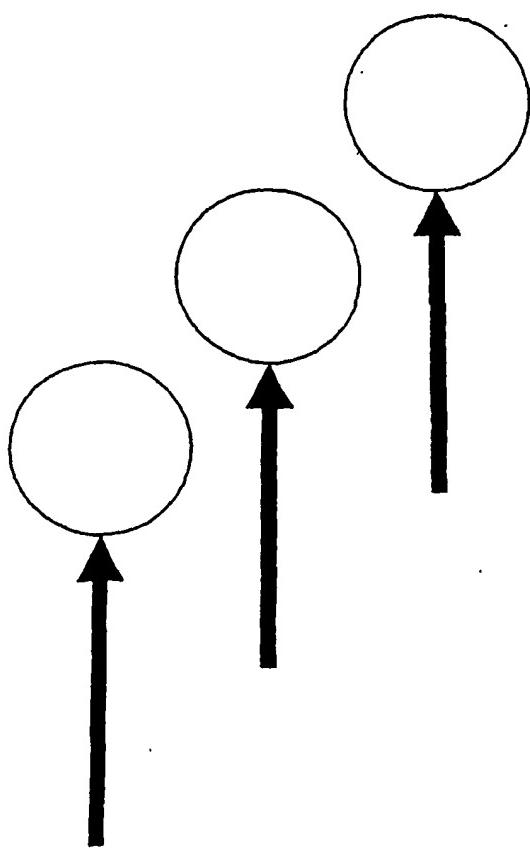


Figure 5



Monofunctional polysialic acid cannot form unintended by-products described for periodate-oxidised natural polysialic acid in Fig. 1

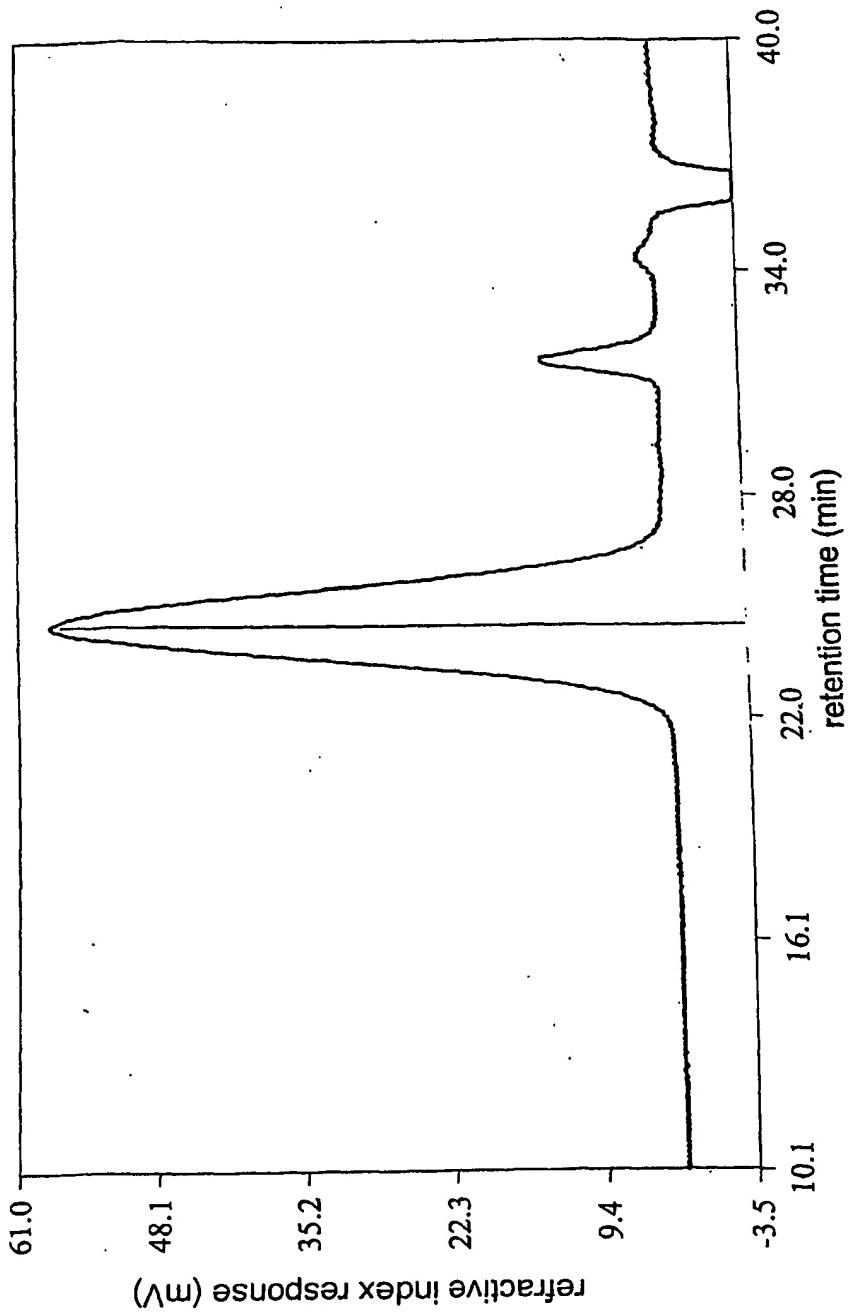
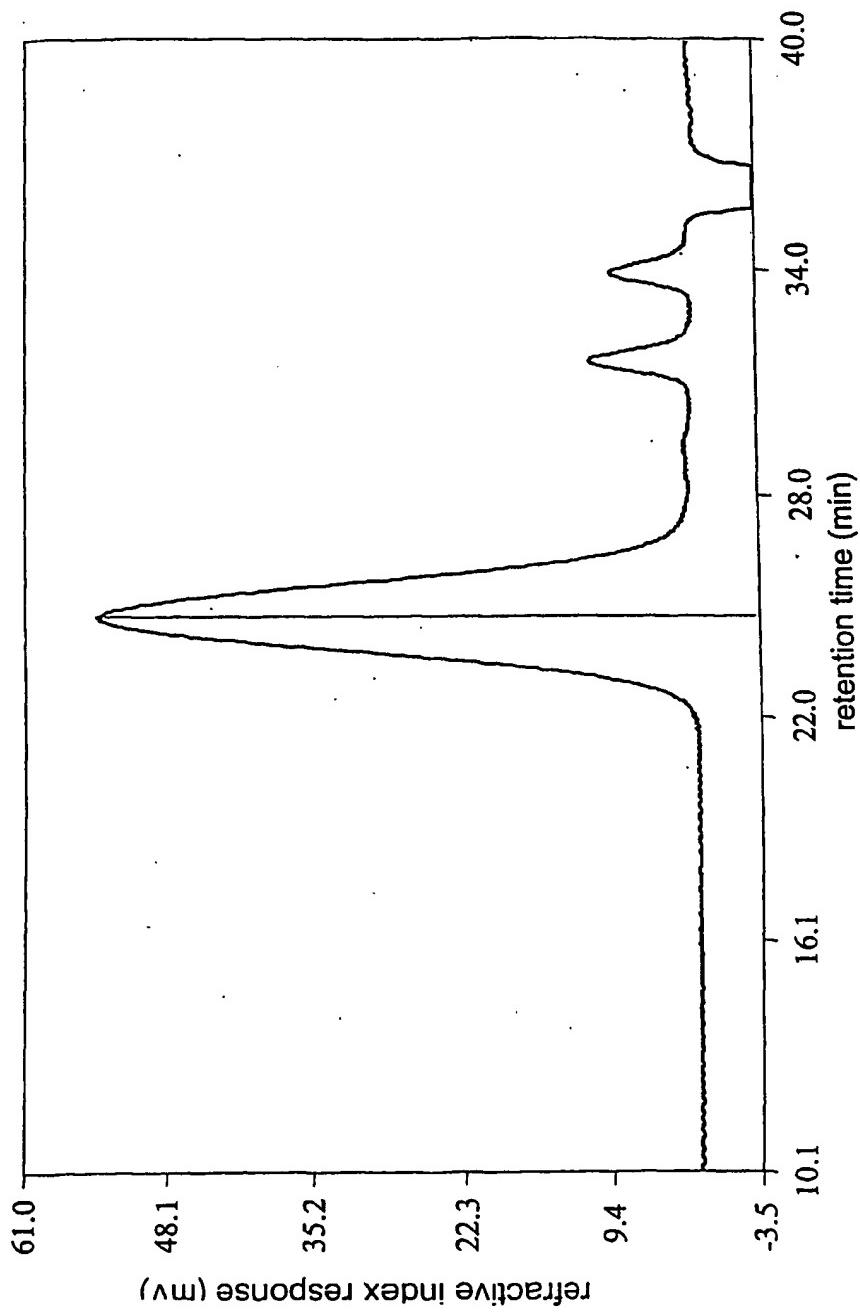
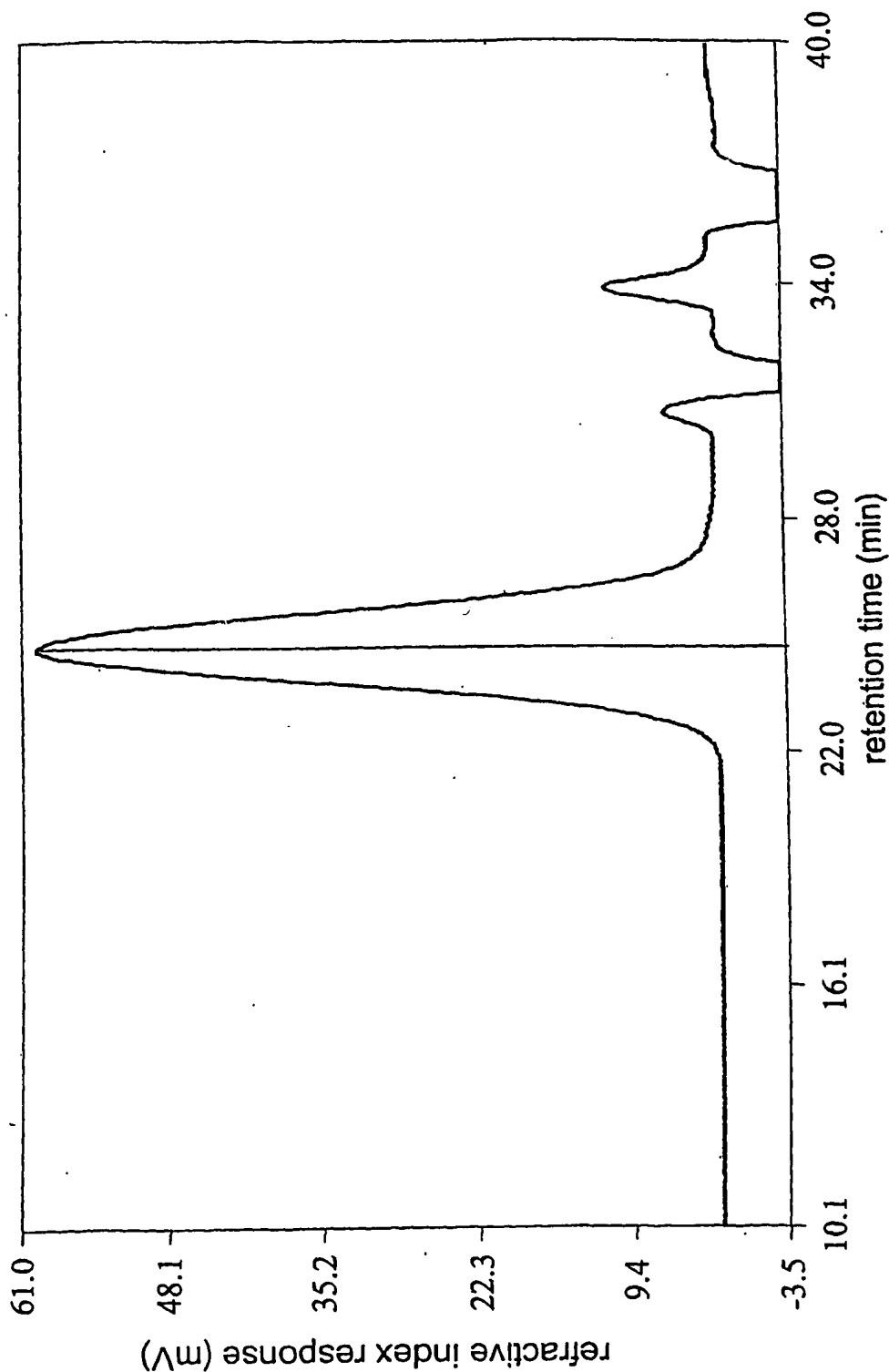
Figure 6a

Figure 6b

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Figure 6c

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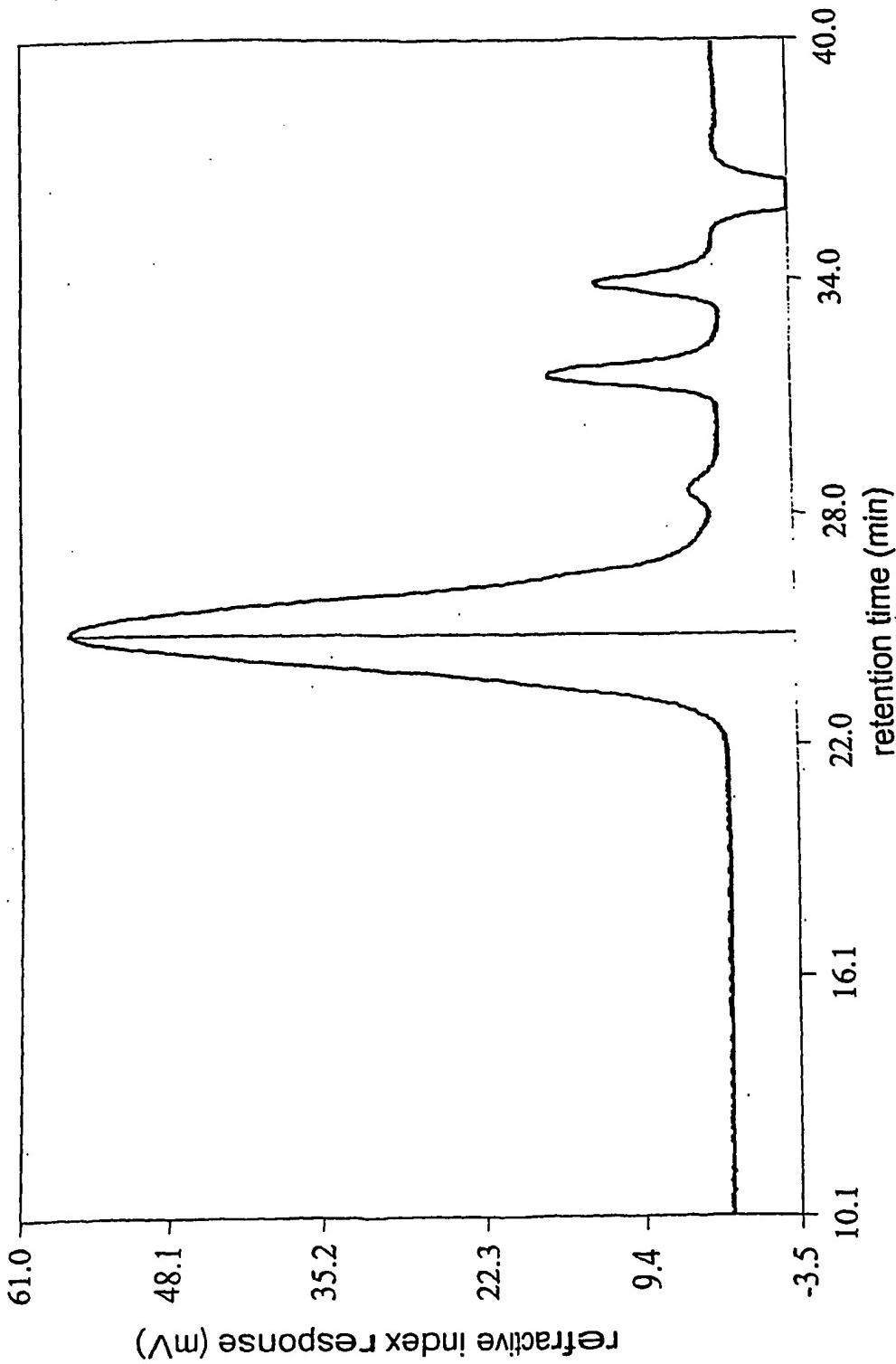
Figure 6d

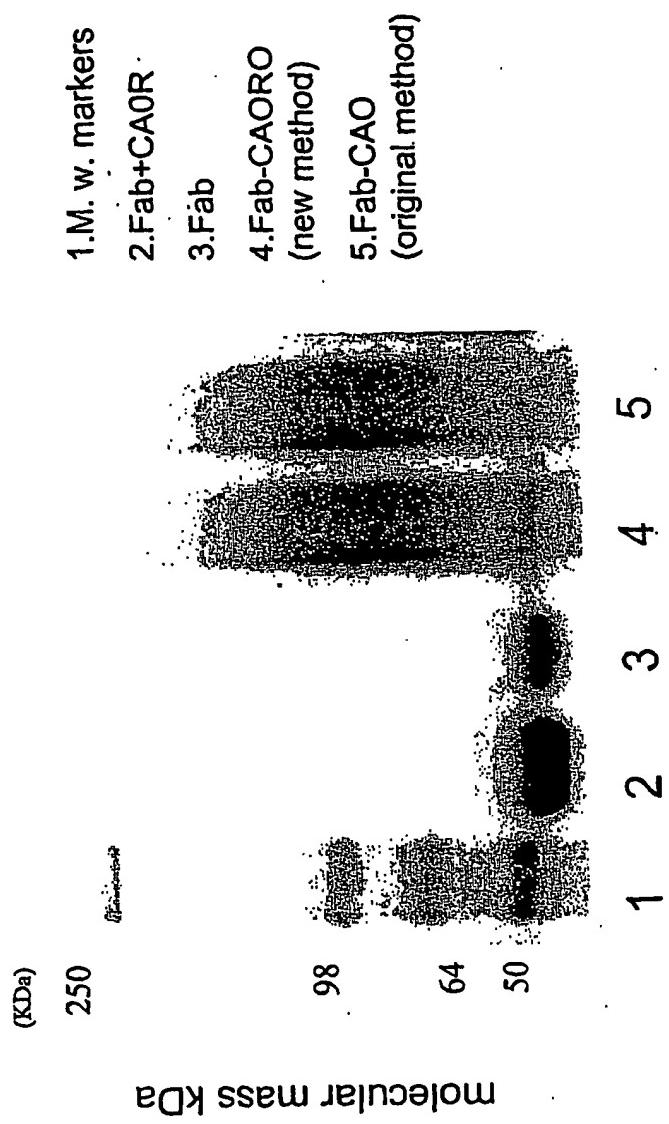
Figure 7

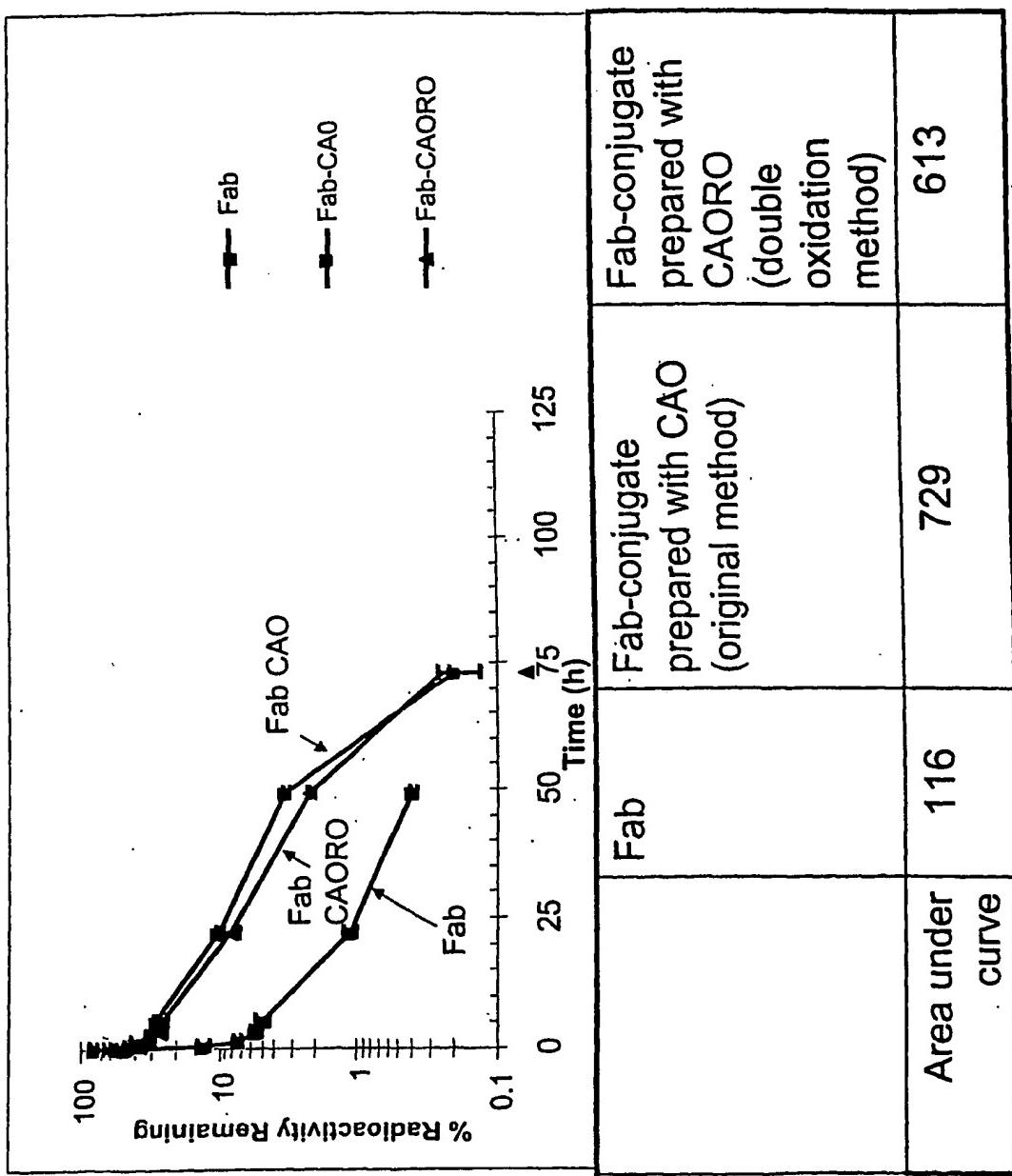
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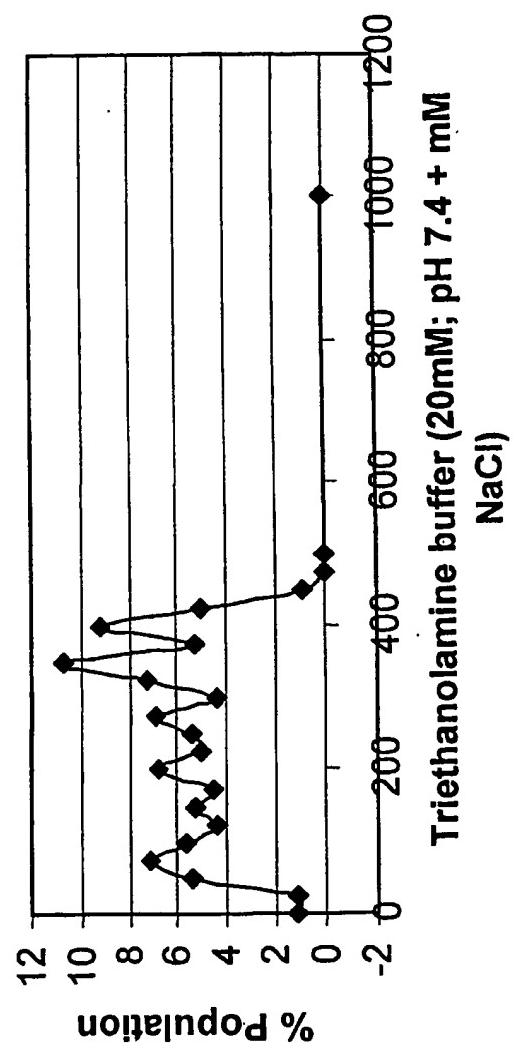
Figure 9

Figure 10: A typical native page of colominic acid fractions with m.w.
(B = broad dispersed; N= narrow dispersed)

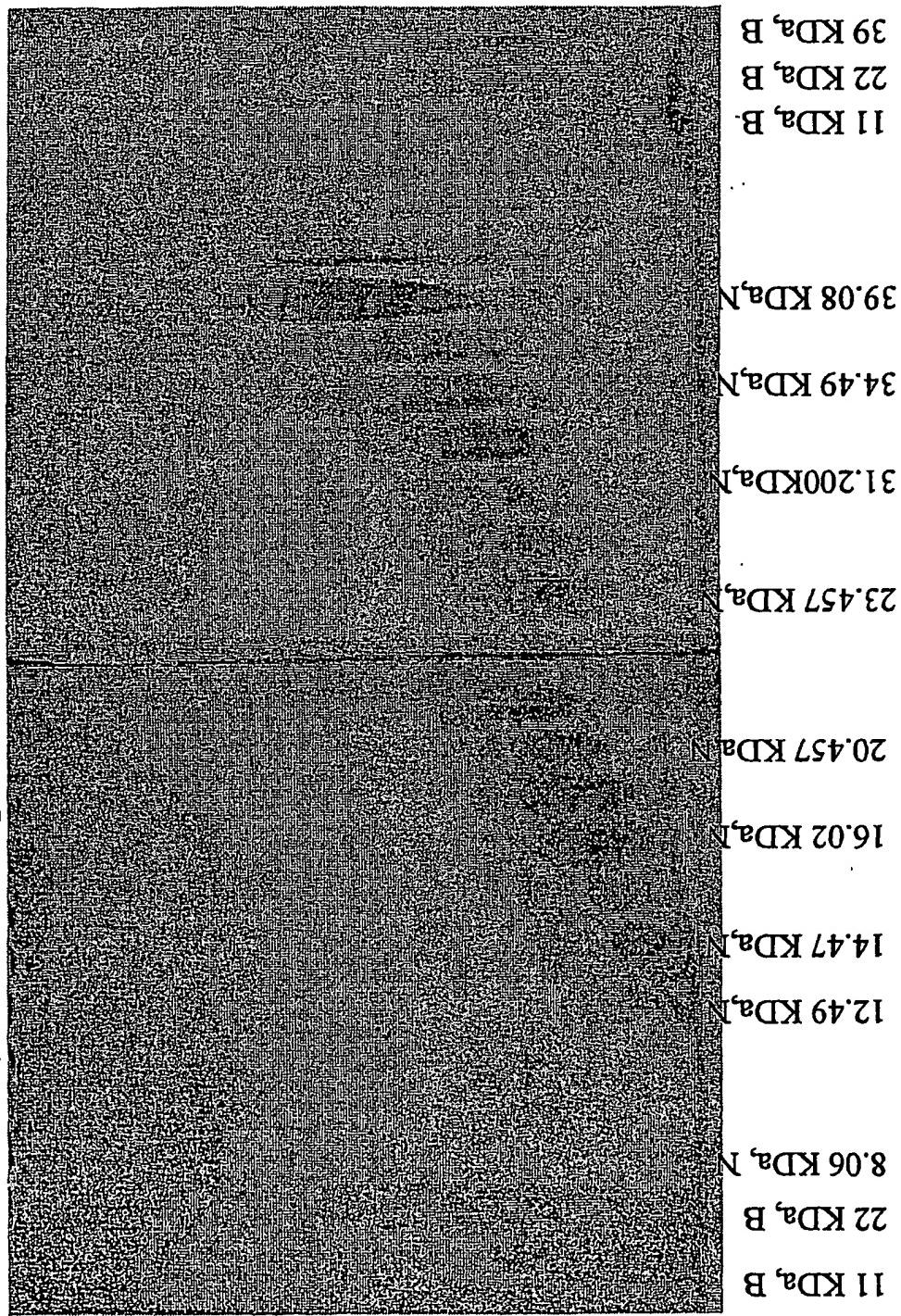


Figure 11

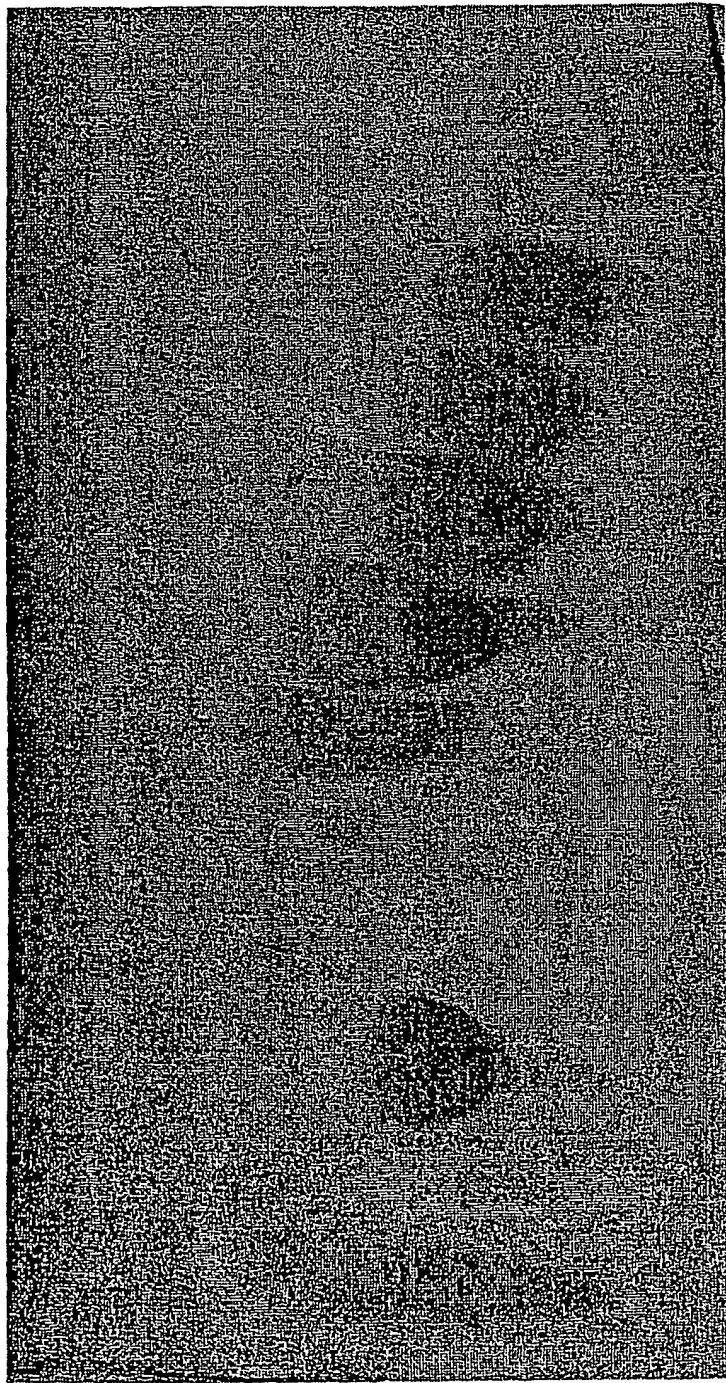


Figure 12: A typical GPC chromatogram for CA fractions

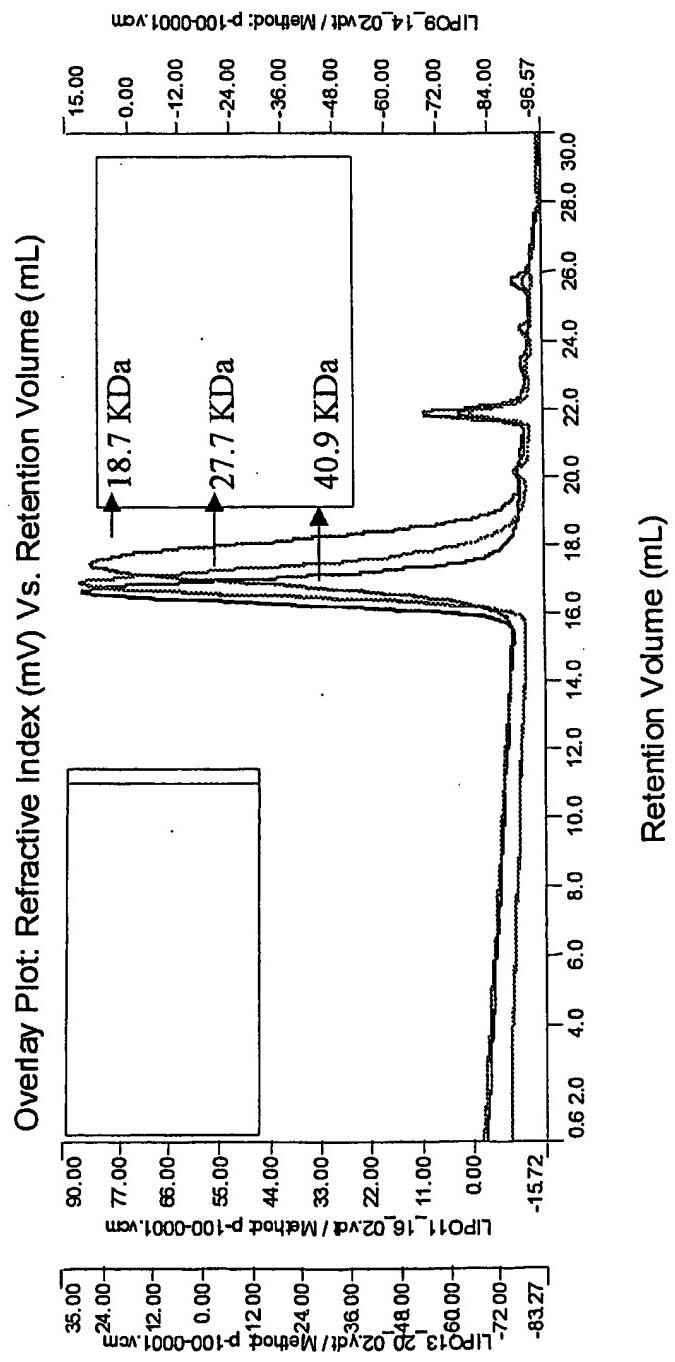


Figure 13 : Colominic acid samples from different steps of fractionation

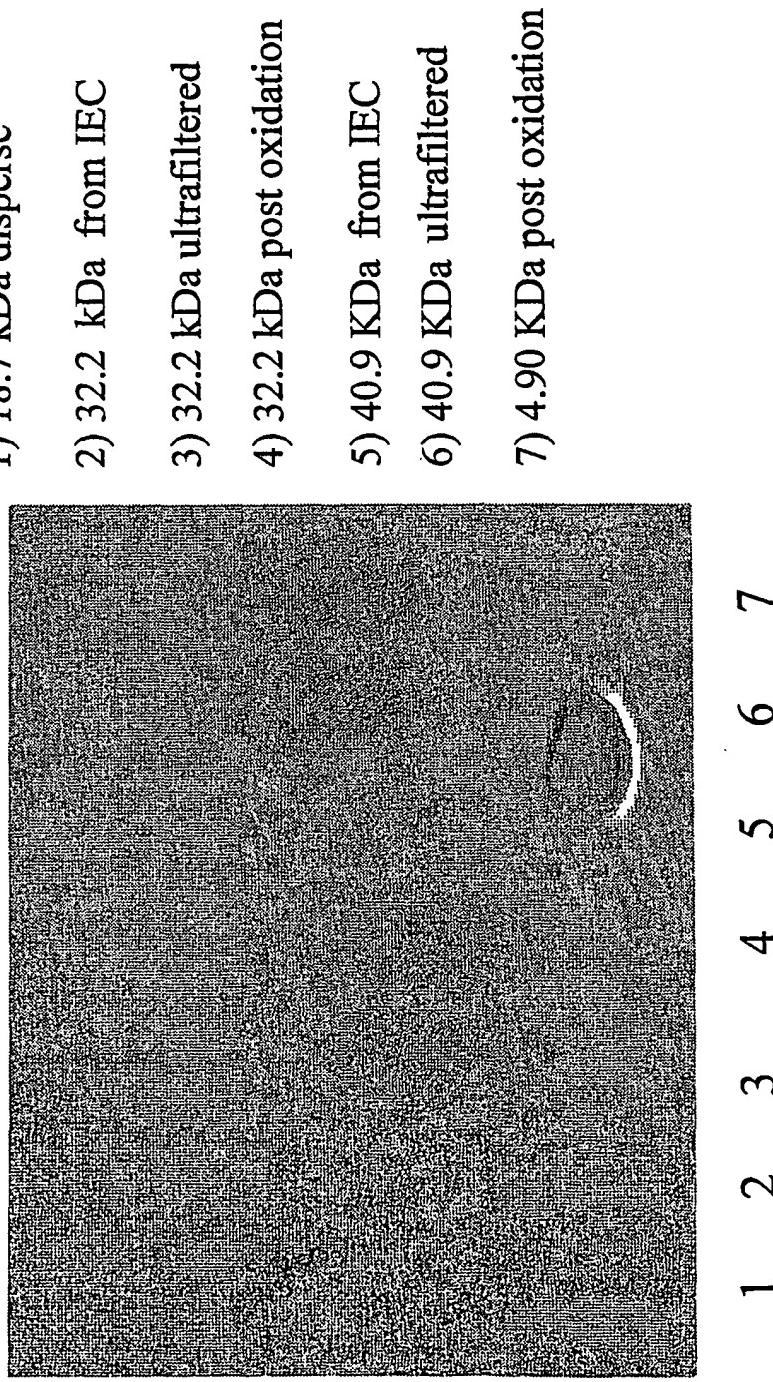
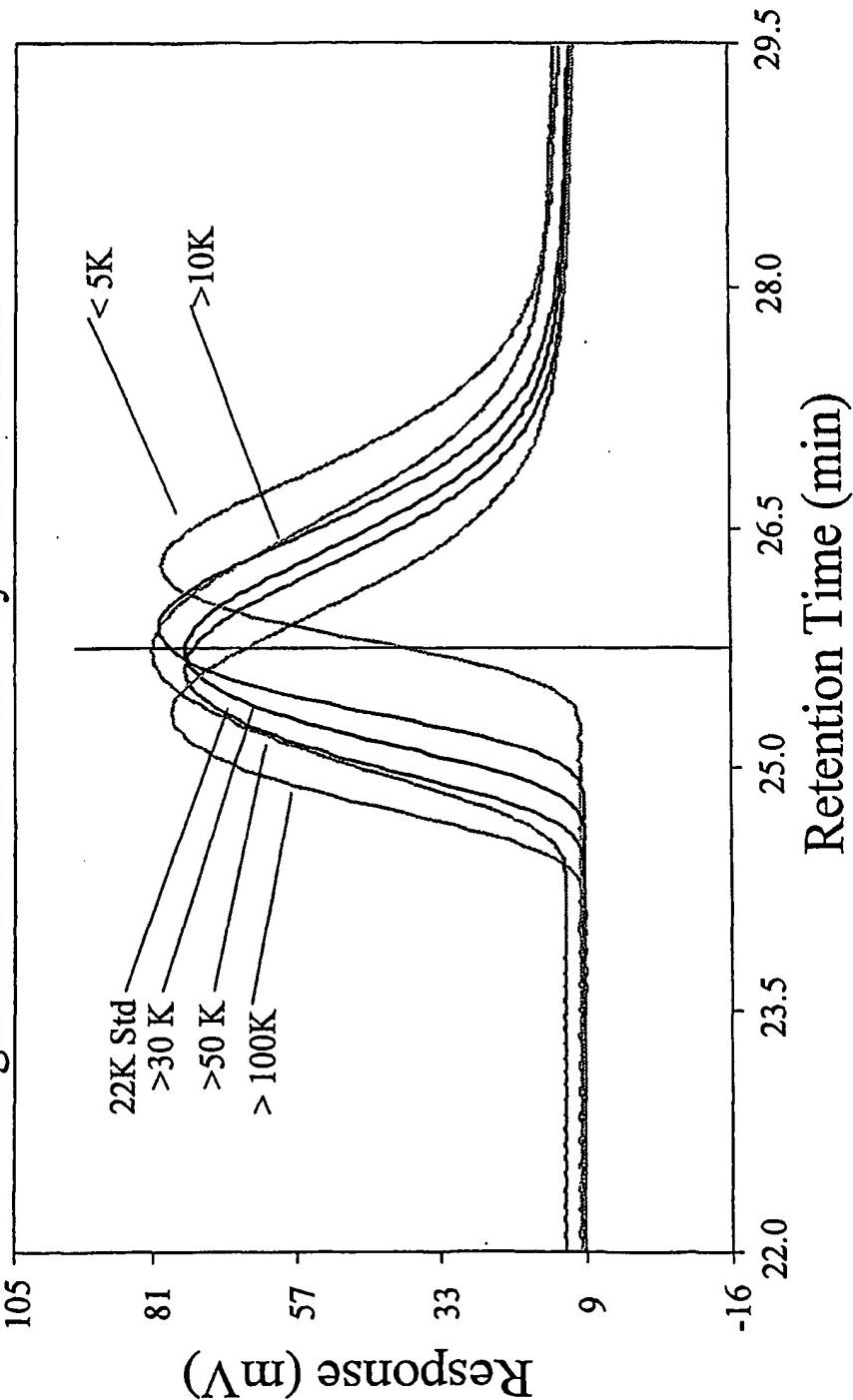


Figure 14: Fractionation by ultrafiltration



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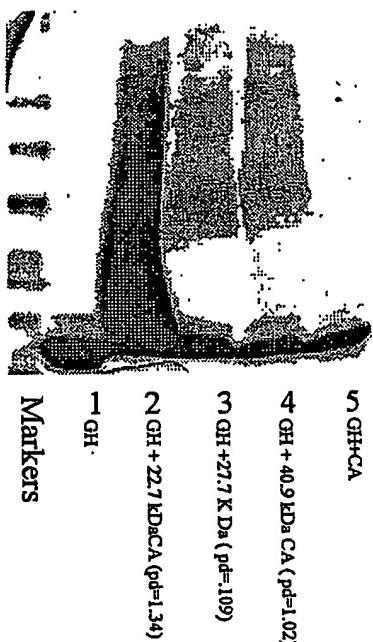


Figure 15

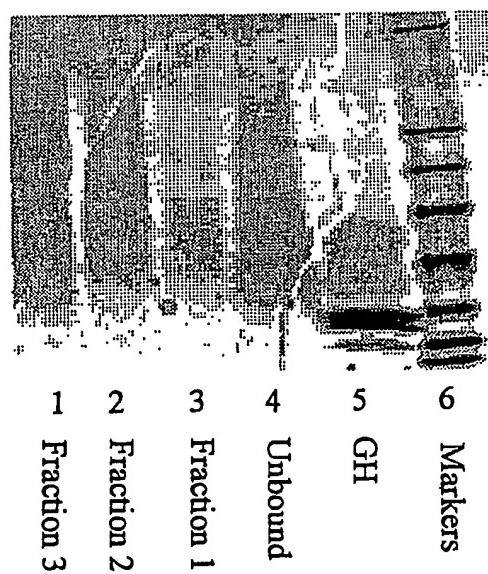


Figure 16

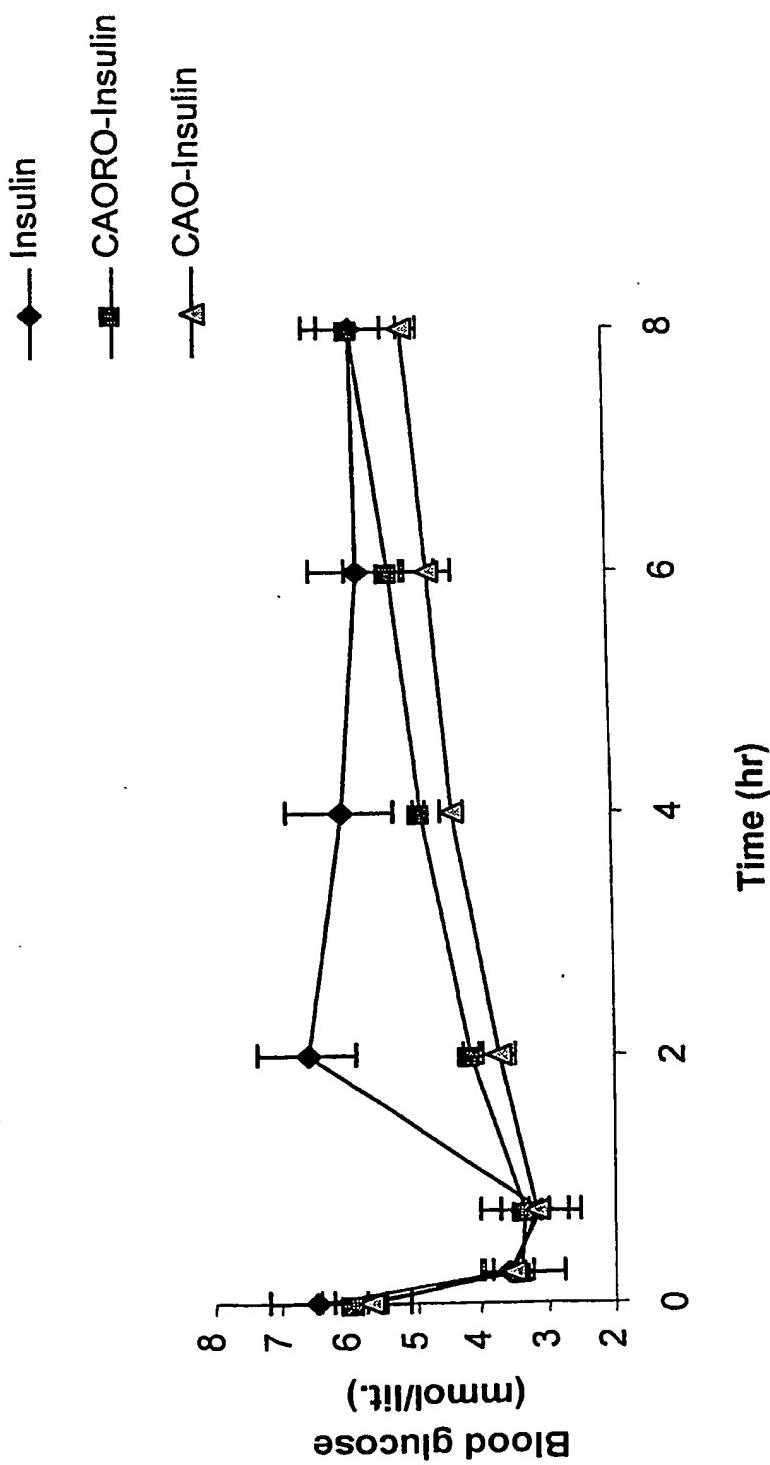
Figure 17

Table 6: Ion exchange chromatography of CA22.7: Scale up (900 matrix)

Sample (in 20 mM Triethanolamine buffer + mM NaCl, pH 7.4)	M.W. (Pd) 12.5 g batch	M.W. (Pd) 25 g batch
350 mM	15490 (1.008)	10,470 (1.173)
375 mM	19960 (1.010)	24659 (1.019)
400 mM	25829 (1.019)	29573 (1.018)
425 mM	33763 (1.023)	34160 (1.011)
450 mM	46880 (1.058)	44400 (1.013)
475 mM		28500 (1.376)

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